

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P791824

Luminaire Tested: LER6D35BD010-EC6DR3020359030-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791824
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D35BD010-EC6DR3020359030-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3713.6 lumens
Efficiency: N/A
Efficacy: 120.6 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 30.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

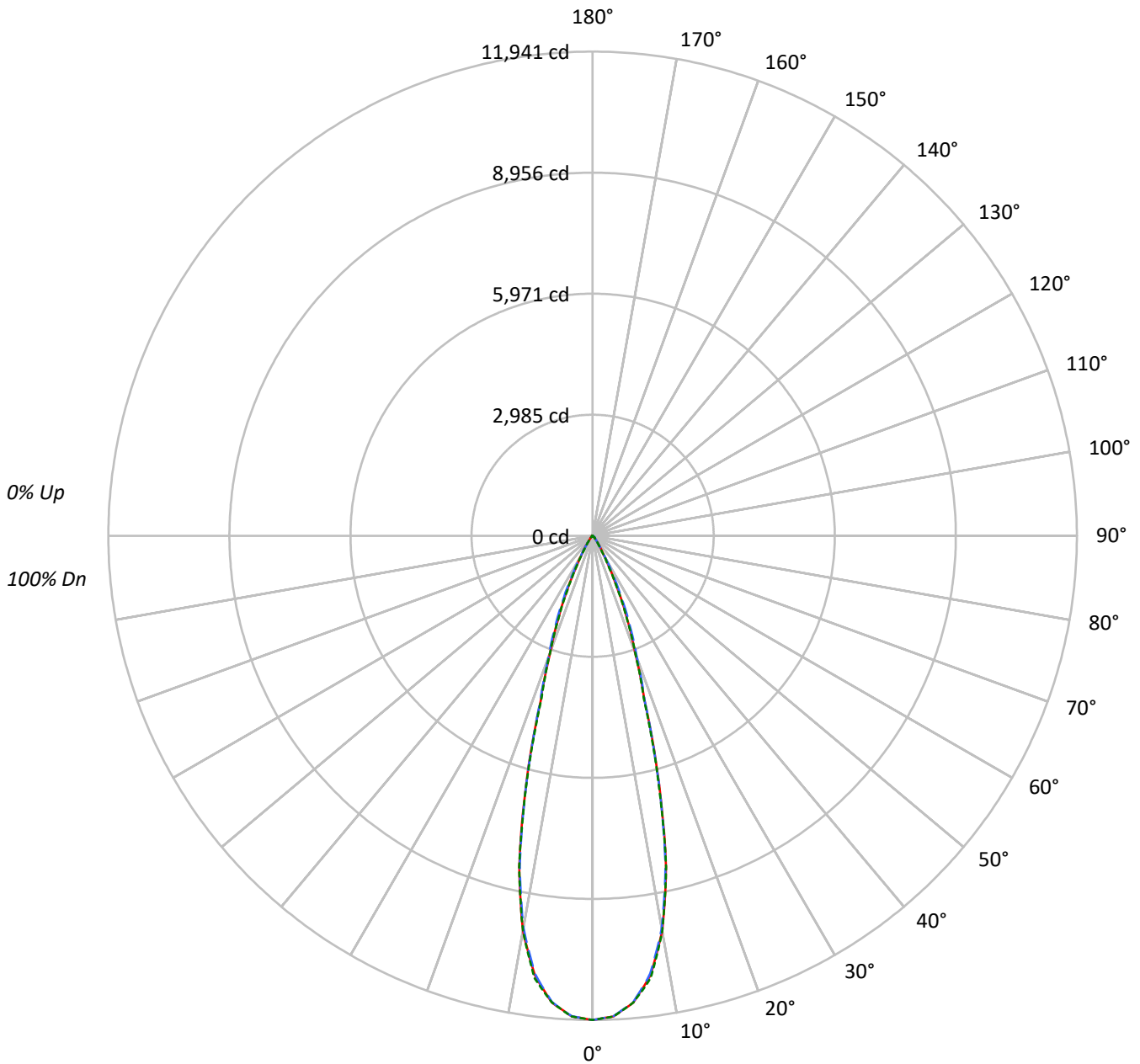


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	913997	913997	913997
5°	887761	886723	887807
10°	768933	763516	768755
15°	501691	498997	496493
20°	249466	258826	249133
25°	125663	141709	123087
30°	50317	54825	43839
35°	23333	22351	18735
40°	10072	11191	9492
45°	7112	8822	7166
50°	2441	6418	2584
55°	1415	2656	1481
60°	980	1163	980
65°	634	634	634
70°	403	269	403
75°	0	177	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 8822 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1050.0	28.3
10°-20°	1691.1	45.5
20°-30°	730.8	19.7
30°-40°	166.6	4.5
40°-50°	57.2	1.5
50°-60°	14.0	0.4
60°-70°	3.6	0.1
70°-80°	0.4	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3471.9	93.5
0°-40°	3638.4	98.0
0°-60°	3709.5	99.9
0°-90°	3713.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3713.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11941	11941	11941	11941	11941	
5°	11554	11543	11540	11564	11555	1051
15°	6331	6255	6297	6276	6265	1695
25°	1488	1544	1678	1505	1457	712
35°	250	255	239	237	200	169
45°	66	82	82	82	66	47
55°	11	11	20	12	11	10
65°	4	4	4	4	4	3
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11940.9	11940.9	11940.9	11940.9	11940.9
2.5°	11861.8	11853.6	11858.3	11864.1	11866.5
5°	11554.0	11542.9	11540.5	11564.5	11554.6
7.5°	10933.1	10917.3	10893.3	10947.8	10998.8
10°	9893.1	9875.5	9823.4	9849.2	9890.8
12.5°	8357.7	8300.8	8299.7	8381.7	8370.6
15°	6331.0	6254.8	6297.0	6276.5	6265.4
17.5°	4257.4	4228.1	4284.4	4267.4	4194.1
20°	3062.6	3070.2	3177.5	3123.6	3058.5
22.5°	2234.8	2262.4	2389.6	2250.6	2199.6
25°	1487.9	1544.2	1677.9	1504.9	1457.4
27.5°	915.2	940.9	1076.4	903.4	877.6
30°	569.3	556.4	620.3	532.3	496.0
32.5°	373.4	357.0	377.6	338.9	309.5
35°	249.7	255.0	239.2	237.4	200.5
37.5°	155.9	179.4	158.3	168.8	129.0
40°	100.8	130.1	112.0	123.7	95.0
42.5°	82.7	100.3	92.0	97.9	84.4
45°	65.7	81.5	81.5	81.5	66.2
47.5°	36.3	54.5	69.8	55.7	38.7
50°	20.5	27.6	53.9	28.7	21.7
52.5°	14.1	15.8	36.9	16.4	14.7
55°	10.6	11.1	19.9	11.7	11.1
57.5°	8.2	8.8	10.6	8.8	8.2
60°	6.4	6.4	7.6	7.0	6.4
62.5°	4.7	4.7	5.3	4.7	4.7
65°	3.5	3.5	3.5	3.5	3.5
67.5°	1.8	2.3	2.3	2.3	2.3
70°	1.8	1.2	1.2	1.2	1.8
72.5°	1.2	0.6	0.6	0.6	0.6
75°	0.0	0.0	0.6	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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